

ABSTRACT

An optical endoscope assembly. The assembly includes an endoscope portion which can be optical or electrical, surrounded
5 by a sheath. The sheath includes a window pointing generally to the side, and a mirror which changes a position of incoming light. The mirror can be fixed or movable. If a fixed mirror is used, then a set of interchangeable sheaths can be used, each of which has a different mirror angle. The sheath can also be
10 rotated once in the body to change an orientation angle from which the light is received. An image processing circuit may process the image received from the endoscope, including inverting at least a portion of the image.